

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) A flow injection electrochemical detecting device comprising:

a base (10) with a top, a front end, a rear end, and sides, and having a recess (12) defined in the top extending to the front end and a pivotal post (11) formed near the rear end;

a working electrode (50) being placed inside the recess (12);

a cover (20) with a top, a bottom, a front end, a rear end and two sides, which pivotally mounts on the base (10) and has a cutout (21) defined at the rear end to receive the pivotal post (11) of the base (10), a pin (111) penetrating the cover (20) at the cutout (21) and the pivotal post (11) to pivotally connect the cover (20) to the base (10), an annular trench (28) defined in the bottom of the cover, a resilient separator with an inner opening, which is an O-ring (282) and is partially mounted in the annular trench (28) of the cover (20), and multiple channels defined in the cover (20) and each having an opening at an area within the annular trench (28) to communicate with the inner opening of the resilient separator; -and

a locking device attached between the base (10) and the cover (20).

Claim 2. (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 1, wherein

two ball dents (23) are defined at the front end of the cover (20); and

the locking device comprises:

two locating posts (14) formed on the top of the base (10) at the front end and each of the two locating posts (14) having

a threaded hole (142) defined through the locating post (14);

a threaded rod (18) screwing into the threaded hole (142) and having a bore (182) defined in the threaded rod (18);

a resilient element (184) accommodated inside the bore (182);

a ball (186) retractably mounted inside the locating post (14) and mounted on the resilient element (184) to detachably engage and lock with a ball dent (23).

Claim 3. (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 2, wherein the cover (20) further has two side cutouts (25) defined at the front end to match with the locating posts (14) and the two ball dents (23) are respectively defined in periphery of the two side cutouts (25).

Claims 4 (Cancelled)

Claim 5 (Cancelled)

Claim 6. (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 3, wherein the resilient element is a spring.

Claim 7 (Cancelled)

Claim 8 (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 4, wherein the multiple channels are:

an inlet (22) defined through the cover (20) from the top and having an opening (221) at the area within the annular trench (28);

a first outlet (24) defined in the cover (20) from one side and having an opening (241) at the area within the annular trench (28); and

a second outlet (26) defined in the cover (20) from another side and having an opening (261) at the area within the annular trench (28).

Claim 9 (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 1, wherein the multiple channels are:

an inlet (22) defined through the cover (20) from the top and having an opening (221) at the area within the annular trench (28);

a first outlet (24) defined in the cover (20) from one side and having an opening (241) at the area within the annular trench (28); and

a second outlet (26) defined in the cover (20) from another side and having an opening (261) at the area within the annular trench (28).

Claim 10 (Previously Presented) The flow injection electrochemical detecting

device as claimed in claim 2, wherein the multiple channels are:

an inlet (22) defined through the cover (20) from the top and having an opening (221) at the area within the annular trench (28);

a first outlet (24) defined in the cover (20) from one side and having an opening (241) at the area within the annular trench (28); and

a second outlet (26) defined in the cover (20) from another side and having an opening (261) at the area within the annular trench (28).

Claim 11 (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 5, wherein the device further has a reference electrode (30) to engage the first outlet (24).

Claim 12 (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 6, wherein the device further has a reference electrode (30) to engage the first outlet (24).

Claim 13 (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 7, wherein the device further has a reference electrode (30) to engage the first outlet (24).

Claim 14 (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 5, wherein the device further has an auxiliary electrode (40) to

engage the second outlet (26).

Claim 15 (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 6, wherein the device further has an auxiliary electrode (40) to engage the second outlet (26).

Claim 16 (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 7, wherein the device further has an auxiliary electrode (40) to engage the second outlet (26).

Claim 17 (Previously Presented): The flow injection electrochemical detecting device as claimed in claim 8, wherein the device further has an auxiliary electrode (40) to engage the second outlet (26).

Claim 18 (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 14, wherein the recess (12) is a dovetail recess having a width tapering toward the top of the recess (12).

Claim 19 (Previously Presented) The flow injection electrochemical detecting device as claimed in claim 14, wherein the base (10) further has multiple grooves defined in the sides of the base to make the base easily held.